6. MASTER MAKING AREA

CONTENTS

Operation and Function VI-1

1. Image Scanning Section VI-2
[Theory of Operation]
1. Original Feed System VI-2
2. Original Feed Check System VI-4
3. Image Scanning System VI-6

[Removal Procedures & Precautions for Installation]
1. Image Scanner Unit VI-8
2. ADF Unit VI-8
3. Digitizer Unit VI-9
4. Image Processing PCBs VI-9
5. Image Scanning Section VI-9

[Adjustment Procedures]
1. Sensitivity of Original IN Sensor VI-10
2. Position of ADF Interlock Switch VI-11

2. Master Making Section VI-12
[Theory of Operation]
1. Master Making System VI-12
2. Master Loading System VI-14

[Removal Procedures & Precautions for Installation]
1. Thermal Print Head VI-16
2. Write Roller VI-17

[Adjustment Procedures]
1. Sensitivity of Master Detection Sensor VI-18
2. Sensitivity of Master End Sensor VI-19
3. Tension of Write Pulse Motor Belt VI-20
4. Tension of Loading Pulse Motor Belt VI-21
5. Position of TPH Home Position Switch VI-22
6. Thermal Power of Thermal Print Head VI-23

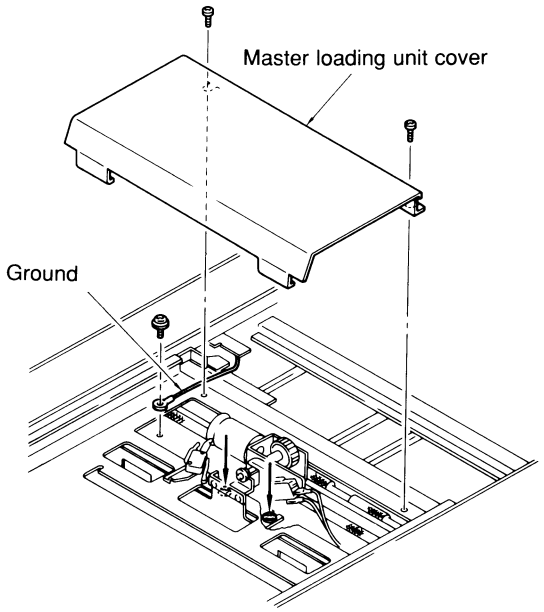
[Removal Procedures & Precautions for Installation]

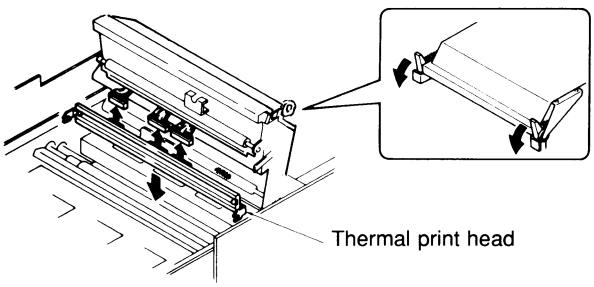
1. Thermal Print Head

– Removal Procedures –

1) Slide the Image scanning section towards the paper feed side.
2) Loosen the two mounting screws of the Master loading unit cover and remove the cover.
3) Remove the mounting screw for the ground wire from the Thermal print head.
4) Loosen the two screws on the TPH bracket just enough to unhook.
5) Unlock and open the Master loading unit while holding the Thermal print head to prevent it from falling.
6) Slide the Thermal print head a little bit towards the Drum and disconnect all three connectors.
7) Gently slide off the Thermal print head from the holder and remove.

✳ Be careful not to damage the heating area of the Thermal print head.
✳ Take extra precautions not to allow any static electricity to pass through the connectors on the Thermal print head when removed.
It will damage the Thermal print head.

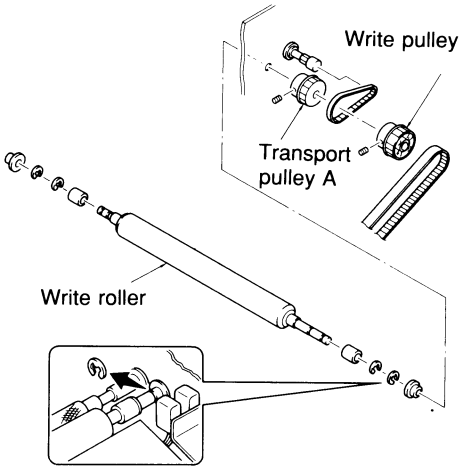




2. Write Roller

– Removal Procedures –

1) Remove the Back cover.
2) Loosen the tension of the belt by shifting the Write pulse motor to the right after loosening the mounting screws and remove the belt from the Write pulley.
3) Loosen the allen screw on the Write pulley and remove the pulley.
4) After removing the belt from the Transport pulley A, loosen the allen screw on the pulley and remove the pulley as well .
5) Slide the Image scanning section towards the paper feed side, and unlock and open the Master loading unit.
6) Remove an E ring at the right end of the Write roller and push the Write roller towards the drive mechanism side to release it from the hole on the side frame.
   Then slide it out from the other.



– Precautions for Installation –

- Do not put collars and bearings on the shaft in the wrong order.
- Align the Transport pulley A and Write pulley so that the belt and pulleys are even.
- Remember to adjust the tension of the belt of the Write pulse motor.
- Take extra precautions not to let the Write roller hit the edges of the frame, which could cause damage to the roller.